

Title (en)

Force transfer mechanism for a bicycle transmission control cable

Title (de)

Kraftübertragungsmechanismus für Fahrradgangschaltungskabel

Title (fr)

Dispositif de transmission de force pour câble de changement de vitesse de bicyclette

Publication

EP 1002713 A3 20001206 (EN)

Application

EP 99123041 A 19991119

Priority

US 19621098 A 19981120

Abstract (en)

[origin: EP1002713A2] A force transfer unit (90) is provided for engaging a control cable connected to a hand operated shift control unit (42, 46). The force transfer unit (90) includes a handlebar attachment member (154, 158) and a cable diverting member for changing a direction of the control cable, wherein the force transfer unit is separate from the shift control unit (42, 46). A gear indicator (134, 138) may be formed with the force transfer unit (90) or instead of the force transfer unit (90) so that the gear indicator (134, 138) may be located remotely from the shift control unit. <IMAGE>

IPC 1-7

B62M 25/02; **B62M 25/04**

IPC 8 full level

B62K 23/06 (2006.01); **B62K 23/04** (2006.01); **B62M 25/00** (2006.01); **B62M 25/02** (2006.01); **B62M 25/04** (2006.01)

CPC (source: EP US)

B62M 25/02 (2013.01 - EP US); **B62M 25/04** (2013.01 - EP US); **B62M 2025/003** (2013.01 - EP US); **Y10T 74/20043** (2015.01 - EP US); **Y10T 74/20049** (2015.01 - EP US); **Y10T 74/20287** (2015.01 - EP US); **Y10T 74/20438** (2015.01 - EP US); **Y10T 74/2048** (2015.01 - EP US); **Y10T 74/20486** (2015.01 - EP US)

Citation (search report)

- [A] DE 29603500 U1 19960605 - GAERTNER JENS [DE]
- [A] WO 9842530 A1 19981001 - GUYMER ANTHONY ERNEST [AU], et al
- [A] EP 0585473 A1 19940309 - MAEDA IND [JP]
- [A] EP 0849157 A2 19980624 - SHIMANO KK [JP]
- [A] EP 0878387 A2 19981118 - SHIMANO KK [JP]

Cited by

EP1024078A3; US6394021B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1002713 A2 20000524; **EP 1002713 A3 20001206**; **EP 1002713 B1 20030409**; CN 1096985 C 20021225; CN 1211249 C 20050720; CN 1254665 A 20000531; CN 1368457 A 20020911; DE 69903659 D1 20021128; DE 69903659 T2 20030320; DE 69906663 D1 20030515; DE 69906663 T2 20040408; EP 1134157 A1 20010919; EP 1134157 B1 20021023; JP 2000159182 A 20000613; JP 3431555 B2 20030728; TW 476721 B 20020221; TW 480235 B 20020321; US 6453766 B1 20020924

DOCDB simple family (application)

EP 99123041 A 19991119; CN 01124655 A 20010727; CN 99124464 A 19991119; DE 69903659 T 19991119; DE 69906663 T 19991119; EP 01115481 A 19991119; JP 32941399 A 19991119; TW 88117793 A 19991014; TW 90114986 A 19991014; US 19621098 A 19981120